



Ontario

Ministry of
Northern Development
and Mines

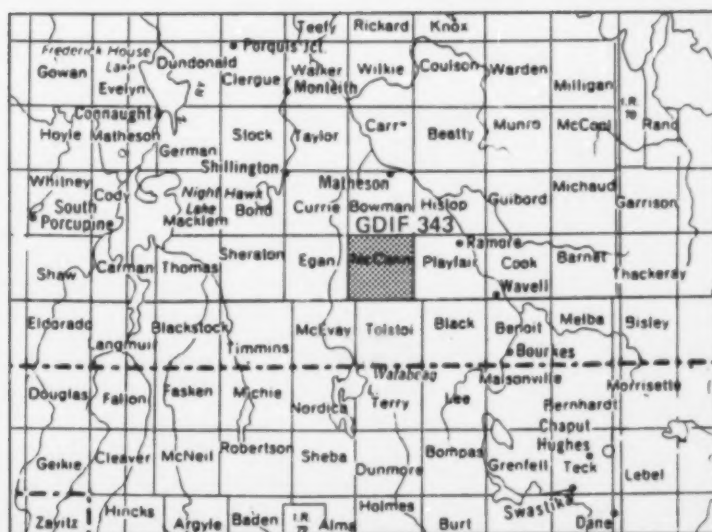
ONTARIO GEOLOGICAL SURVEY
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 343

McCANN TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the staff of
the Resident Geologist's Office
Kirkland Lake



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

Mining Claim Map Number

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

1987: McCann Township, District of Cochrane;
Ontario Geological Survey, Geological
Data Inventory Folio 343 compiled by the
staff of the Resident Geologist's Office
Kirkland Lake, 18p. and 2 maps.

F.M. Boucher, W.J. Dennis, K.D. Kalicharran,
P.E. Savarie and B.J. Westin, September 30, 1986.

Date	Page Revised	Revised by

Date	Page Revised	Revised by

McCann Township

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ACCOMPANYING MAPS

Property Location Map 1

Exploration Data Map 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL

SI Unit Multiplied by Gives

CONVERSION FROM IMPERIAL TO SI

Imperial Unit Multiplied by Gives

LENGTH

1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km

AREA

1 cm ²	0.155 0	square inches	1 square inch	6.451 6	cm ²
1 m ²	10.763 9	square feet	1 square foot	0.092 903 04	m ²
1 km ²	0.386 10	square miles	1 square mile	2.589 988	km ²
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha

VOLUME

1 cm ³	0.061 02	cubic inches	1 cubic inch	16.387 064	cm ³
1 m ³	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m ³
1 m ³	1.308 0	cubic yards	1 cubic yard	0.764 555	m ³

CAPACITY

1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L

MASS

1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 906 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 906 8	t

CONCENTRATION

1 g/t	0.029 166 6	ounce (troy)/ton (short)	1 ounce (troy)/ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ton (short)	1 pennyweight/ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram (g) per tonne is equivalent to one part per million (1 ppm).

NOTE—Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

SOURCES OF DATA		Data	Initial
1	Resident Geologist's Office Files	YES	W.J.D.
2	Assessment Files Research Office, Toronto	YES	P.E.S.
3	ODM General Index; 9 volumes	YES	P.E.S.
4	Catalogue of Airborne Geophysical Surveys (ODM)	-	-
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	K.D.K.
6	ODM Industrial Mineral Reports	NO	K.D.K.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	K.D.K.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	W.J.D.
9	Newspaper Clippings File	NO	W.J.D.
10	GSC Index to Publications	NO	W.J.D.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	W.J.D.
12	OGS Index Maps	YES	K.D.K.
13	Source Mineral Deposit Records (O.G.S.)	NO	K.D.K.
14	Author - Subject Articles File	YES	K.D.K.
15	Miscellaneous Papers: ODM & OGS	YES	K.D.K.
16	ODM Geological Circulars: OGS Study Series	NO	K.D.K.
17	ODM Preliminary Reports: ODM Bulletins	NO	K.D.K.
18	ODM - OGS Open File Reports	YES	K.D.K.
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	K.D.K.
20	OGS Aggregate Resources Inventory Papers	NO	K.D.K.
21	OGS Mineral Potential Maps	YES	K.D.K.

METALS AND MINERALS REFERENCES LIST

Δ anh.	.Anhydrite	Δ fu.	.Fuchsite	Δ Ni.	.Nickel	Δ st.	.Stone
Δ ank.	.Ankerite	Δ gn.	.Galena	Δ Nb.	.Niobium	Δ talc.	.Talc
Δ anna.	.Annabergite	Δ gt.	.Garnet	Δ Pd.	.Palladium	Δ Te.	.Tellurium
Δ ap.	.Apatite	Δ gos.	.Goethite	Δ peat.	.Peat	Δ td.	.Tetrahedrite
Δ arg.	.Argentite	Δ Au.	.Gold	Δ pent.	.Pentlandite	Δ th.	.Thorite
Δ As.	.Arsenic	Δ gf.	.Graphite	Δ Pt.	.Platinum	Δ Th.	.Thorium
Δ asp.	.Arsenopyrite	Δ gl.	.Gravel	Δ py.	.Pyrite	Δ thuc.	.Thucholite
Δ asb.	.Asbestos	Δ gyp.	.Gypsum	Δ pyl.	.Pyrochlore	Δ ti.	.Titanite
Δ ba.	.Barite	Δ hem.	.Hematite	Δ pyrl.	.Pyrolusite	Δ Ti.	.Titanium
Δ be.	.Beryl	Δ il.	.Ilmenite	Δ po.	.Pyrrhotite	Δ tour.	.Tourmaline
Δ Bi.	.Bismuth	Δ Fe.	.Iron	Δ q.	.Quartz	Δ trap.	.Trap rock
Δ bn.	.Bornite	Δ IF.	.Iron Formation	Δ qcv.	.Quartz carbonate vein	Δ W.	.Tungsten
Δ bran.	.Brannerite	Δ jas.	.Jasper	Δ ra.	.Radioactive minerals	Δ uran.	.Uraninite
Δ bruc.	.Brucite	Δ kaol.	.Kaolinite (kaolin)	Δ RE.	.Rare Earths	Δ U.	.Uranium
Δ Cd.	.Cadmium	Δ ky.	.Kyanite	Δ sd.	.Sand	Δ verm.	.Vermiculite
Δ calc.	.Calcite	Δ Pb.	.Lead	Δ sgl.	.Sand and gravel	Δ Y.	.Yttrium
Δ carb.	.Carbonate	Δ lim.	.Limonite	Δ ss.	.Sandstone	Δ Zn.	.Zinc
Δ cel.	.Celestite	Δ Li.	.Lithium	Δ scap.	.Scapolite	Δ zr.	.Zircon
Δ cc.	.Chalcocite	Δ mgst.	.Magnesite	Δ shee.	.Scheelite		
Δ cp.	.Chalcopyrite	Δ mag.	.Magnetite	Δ serp.	.Serpentine		
Δ ch.	.Chert	Δ mc.	.Malachite	Δ sh.	.Shale		
Δ clay.	.Clay	Δ Mn.	.Manganese	Δ sid.	.Siderite		
Δ Co.	.Cobalt	Δ mb.	.Marble	Δ si.	.Silica		
Δ cob.	.Cobaltite	Δ maf.	.Marcasite	Δ Ag.	.Silver		
Δ cb.	.Columbite	Δ ma.	.Marl	Δ cl.	.Slate		
Δ Cu.	.Copper	Δ mi.	.Mica	Δ sm.	.Smaltite		
Δ cor.	.Corundum	Δ ml.	.Millerite	Δ sod.	.Sodalite		
Δ dol.	.Dolomite	Δ mo.	.Molybdenite	Δ spec.	.Specularite		
Δ ep.	.Epidote	Δ Mo.	.Molybdenum	Δ sp.	.Sphalerite		
Δ ery.	.Erythrite	Δ mon.	.Monazite	Δ spd.	.Spodumene		
Δ fel.	.Feldspar	Δ ne.	.Nephelinite (nepheline)	Δ staur.	.Staurolite		
Δ fl.	.Fluorite (fluorspar)	Δ nc.	.Nicolite	Δ stib.	.Stibnite		

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or mentioned within either

Mineral Occurrences or the Drillhole Summary.

MINERAL OCCURRENCES				Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization				
A	Caramora Porcupine Mines Ltd.	Au	-	Resident Geologist Assessment files Kirkland Lake, Ont.	Best assay from diamond drilling is 0.13oz Au/t in a medium to coarse grained grey diorite with widely scattered quartz-carbonate syenite stringers. Sheared diorite and the syenite have the best values.	
B	Stevens, N.D.	Au	-	Resident Geologist Assessment files Kirkland Lake, Ont.	Samples from claims L 566464 and L 566467 were assayed by Stevens in 1982. The best values were 0.14oz Au/t, 0.03oz Ag/t and 0.01% Cu.	

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE Kirkland Lake	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY		
		1 Caramora Porcupine Mines Ltd. 2 Cherry Lake Mines, Ltd. (Norzinc Mines Ltd.) 3 Goldbow Mining Company Ltd. (Bowinque Mines Ltd.) 4 Sherwin Minerals Ltd. "Hames, C.M. Claims" 5 Stevens, N.D. 6 Taylor, B. 7 Hyde, D.			73 85	47 71 70	82						46 47 46 73						

DRILLHOLE SUMMARY			Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
Map Drilling Location Number	Company Name									
1	Caramora Porcupine		2	05/47	180°	-57°	115'	783'	py,qcv,cp,ep	1' @ 0.13oz Au/t
2	"		3	06/47	169°	-55°	125'	825'	py,qcv,cp,ep	4.5 @ 0.01oz Au/t
3	Taylor, B.		5	09/71	180°	10°	0'	101.5'	-	-
4	"		4	06/71	180°	10°	0'	100'	-	-
5	"		3	05/71	180°	10°	0'	92'	-	-
6	"		2	09/71	180°	60°	0'	123'	-	-
7	"		1	05/70	180°	90°	0'	110'	qv	-

GDIF FORM NO.

† - Core stored at Swastika Drill Core Storage Library

AIRBORNE GEOPHYSICAL SURVEY DATA			Flight Line Altitude	Flight Line Direction	Flight Line Spacing
No.	By For	Type of Survey			

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For

Reference

By

McCann Township

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

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GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

McCann Township

ODM GENERAL INDEX SEARCH

Words searched: Golden Arrow Mines Ltd.
McCann Township
Wildgoose Lake

Index Volume	Listing:	Report Volume	Part	Page
1	McCann Tp., Tim. Report by Workman,	24	1	248-253
2	McCann Tp., Coch. See also Wild Goose L. Agricultural land Forest fires Gold Map Rocks breccia, photo Sand area Topography Wildgoose Lake, McCann Tp. Promising locality for prospectors, Rocks	 31 31 34 31 31 31 31 31 31 31 31	 7 7 1 7 7 7 7 7 7 7 7	 6 5 52 iv 7,12, 15,24 14 18 3,24 24 3,24
3	McCann Tp., Coch. Glacial deposits Mining Claims Rocks	45 45 45	6 6 6	2,4 37 9,11,13
4	McCann Tp., Coch. Gold mg. see Golden Arrow Mines Golden Arrow Mines Ltd. Capital; officers; operations; (1946) (1947)	 56 57	 2 2	 32 31
5	McCann Tp., Coch. Copper claims	63	2	2
7	McCann Township, Tim. Rocks	GR40		8
9	McCann Township, Coch. dist. Gravity Survey of the Timmins- Matheson area	GR135		

SELECTED REFERENCES			Reference	Map Scale and/or Report Page
Author	Date	Title		
		<u>REGIONAL GEOLOGICAL COMPILATION MAPS</u>		
Boissoneau, A.N.	1965	Algoma-Cochrane Surficial Geology Ontario	ODL & F Map S365	1:506,880
Boissoneau, A.N.	1965	Algoma, Sudbury, Timiskaming and Nipissing Surficial Geology	ODL & F Map S465	1:253,440
Ginn, R.M.	1964	Timmins - Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Dists., Ont. Geol. Compilation Series	ODM Map 2046	1:253,440
Lumbers, S.B. Milne, V.G.	1976	Ontario Geological Map, East Central Sheet	OGS Map 2393	1:1,013,760
Ministry of Natural Resources	1985	Ontario Mineral Map	ODM Map 2472	1:1,584,000
MERO-OGS	1984	Lithostratigraphic Map of the Abitibi Subprovince	OGS Map 2484 Que Map DV83-16	1:500,000
Pyke, D.R., Ayres, L.D. & Innes, D.G.	1973	Timmins - Kirkland Lake, Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts	ODM Map 2205	1:253,440
		<u>GEOPHYSICAL MAPS</u>		
Data Plotting Services Inc.	1985	Matheson Black River Area (BRIM) Airborne Magnetic Survey Second Vertical Derivative	OGS Resident Geologist's Office, Kirkland Lake, Ontario	1:100,000
Data Plotting Services Inc.	1985	Matheson Black River Area (BRIM) Magnetic Survey Total Field	OGS Resident Geologist's Office, Kirkland Lake, Ontario	1:80,000

SELECTED REFERENCES		Date	Title	Reference	Map Scales and/or Report Pages
Author					
Middleton, R.S.	1975	Gravity control network in the Timmins, Matheson and Cobalt area, Cochrane and Timiskaming Districts, Ontario.	ODM GR 127		1:250 000
Middleton, R.S.	1976	Gravity survey of geological structures in the Timmins and Matheson Area, NTS 42A, Cochrane, Sudbury and Timiskaming Districts.	ODM GR 135 Map 2321 2322		1:63 360
ODM-GSC	1970	Watabeag River; Ontario. GSC Aeromagnetic Series	Map 294G (Rev.)		1:63 360
ODM-GSC	1970	Ramore, Cochrane and Timiskaming Districts. GSC Aeromagnetic Map	Map 295G (Rev.)		1:253 440
ODM-GSC	1970	Timmins, Cochrane, Timiskaming and Sudbury Districts, Ontario, total field contour map. GSC Aeromagnetic Series, Geophysical Composite Map Series	Map 7085G		1:31 680
ODM-GSC	1970	Ramore, Cochrane and Timiskaming Districts GSC Map, Aeromagnetic Series	Map 8433G		1:31 680
ODM-GSC	1970	Watabeag River, Timiskaming and Cochrane Districts, GSC Aeromagnetic Series	Map 8438G		1:20 000 1:31 680
GCS	1984	Airborne Electromagnetic Survey Total Intensity Magnetic Survey McCann Twp. NTS 42A/7NE 42A/8NW Matheson-Black River, Cochrane District	Map 80 604		1:250 000
GCS-GSC	1979	Airborne Gamma-Ray Spectrometric Total Count, Timmins, NTS 42A.	OGS Map 80 280 GSC Map 35142G		

SELECTED REFERENCES		Date	Author	Title	Reference	Map Scale and/or Report Pages
OGS-GSC	1979			Airborne Gamma-Ray Spectrometric Potassium (percent) Timmins, NTS 42A.	OGS Map 80 281 GSC Map 35142G	1:250 000
OGS-GSC	1979			Airborne Gamma-Ray Spectrometric Uranium (eU), Timmins, NTS 42A.	OGS Map 80 282 GSC Map 35142G	1:250 000
OGS-GSC	1979			Airborne Gamma-Ray Spectrometric Thorium (eTh), Timmins NTS 42A	OGS Map 80 283 GSC Map 35142G	1:250 000
OGS-GSC	1979			Airborne Gamma-Ray Spectrometric eU/Th Ratio, Timmins, NTS 42A	OGS Map 80 284 GSC Map 35142G	1:250 000
OGS-GSC	1979			Airborne Gamma-Ray Spectrometric eU/K Ratio, Timmins, NTS 42A	OGS Map 80 285 GSC Map 35142G	1:250 000
OGS-GSC	1979			Airborne Gamma-Ray Spectrometric eTh/K Ratio, Timmins, NTS 42A	OGS Map 80 286 GSC Map 35142G	1:250 000
Averill, S.A. MacNeil, K.A. Huneault, R.G. Baker, C.L.	1986			<u>GEOLOGICAL MAPS AND REPORTS</u> Rotasonic drilling operations (1984) and overburden heavy mineral studies, Matheson area, District of Cochrane. OGS Open File Report	OFR 5569	6lp.
Baker, C.L.	1982			Drift thickness of the Ramore area, Cochrane and Timiskaming Districts, OGS Map. Drift thickness series	Map P.2477	1:50 000
Baker, C.L.	1982			Sand and gravel resources of the Ramore area, Cochrane and Timiskaming Districts. OGS Map. Geological series	Map P.2489	1:50 000

GDW FORM NO. 9

SELECTED REFERENCES		Date	Reference	Map Scale and/or Report Pages
Author	Title			
Baker, C.L. Seaman, A.A. Steele, K.G.	Quaternary geology of Ramore area, Districts of Cochrane and Timiskaming. OGS Preliminary Map. Geological series.	1980	Map P.2381	1:50 000
Baker, C.L. Steele, K.G. Fortescue, J.A.C.	Reconnaissance Till Sampling Program in the Matheson Area, District of Cochrane, Ontario Geological Survey Misc. paper #119 p.295-298	1984	Summary of Field Work 1984	pg. 295-298
Baker, C.L. Steele, K.G. McLenaghan, M.B. Fortescue, J.	Location of gold grains in sonic drill core samples from the Matheson area, Cochrane area, Cochrane District. OGS Preliminary Map. Geophysical/Geochemical	1984	Map P.2736	1:100 000
Ginn, R.M. Leahy, E.J. Savage, W.S.	Matheson-Black Sheet, District of Cochrane. ODM Preliminary Geological Map	1962	Map P.119	1:63 760
Hughes, O.L.	Surficial geology of Kirkland Lake, Timiskaming and Cochrane Districts, Ontario. GSC Preliminary Series	1960	GSC 1-1960	1" to 2mi.
Jensen, L.S.	No. 16 Ramore Area: District of Timiskaming and Cochrane, Ontario Department of Mines, Misc. paper #59	1974	Summary of Field Work 1974	pg. 99-106
Jensen, L.S.	No. 16 Ramore Area District of Timiskaming & Cochrane, Ontario Dept. of Mines, Misc. paper #63	1975	Summary of Field Work 1975	pg. 73-75
Jensen, L.S.	Precambrian Geology of the Ramore area, North-western Part, District of Cochrane (42A/8) OGS Geological Series-Preliminary Map	1985	Map P.2860	1:15 840

GDIF FORM NO. 9

SELECTED REFERENCES			Reference	Map Scales and/or Report Pages
Author	Date	Title		
Jensen, L.S.	1985	Precambrian Geology of the Ramore area. OGS Geological Series-Open File Map	OFM 12	1:50 000
Jensen, L.S. Baker, C.L. Trowell, N.F.	1985	Preliminary results of bedrock samples from the sonic drilling program in the Matheson area, Cochrane District. OGS Preliminary Map, Geological Series	Map P.2848	1:100 000
Leahy, E.J.	1965	Geology of Currie and Bowman Townships, District of Cochrane, Ontario. ODM Geological Report. Toronto. with Color Map	ODM GR 40 Map 2071	22p.
Lee, H.A.	1979	Northern Ontario Engineering Geology Terrain Study, Data Base Map, Kirkland Lake	OGS Map 5030	1:100 000
Moore, E.S.	1936	Geology & Ore Deposits of Ramore Area Cochrane District, Ontario Dept. of Mines Annual Report, 1936 Vol. 45 Part 6 p.1-37 Toronto 1936 with colour map #45	O.D.M. AR 0045-6	
Moore, E.S.	1936	Ramore Area, Cochrane District, Ontario Department of Mines Colour Map 45D Toronto 1936 ACC AR 45-6P 1-37	Map 0045D	4 in.-3 mi.
ODM	1949	Mines of Ontario in 1947, ODM Annual Report	ODM AR 1948 v.57 pt.2	
ODM	1949	Mines of Ontario in 1946, ODM Annual Report	ODM AR 47 v.56 pt.2	
OGS	1986	Sonic drillholes 84-18, Bowman Township and 84-19 McCann Township, District of Cochrane. OGS Map Geophysical/Geochemical Series	Map 80 776	1:100 000

SELECTED REFERENCES		Date	Author	Title	Reference	Map Scales and/or Report Pages
OGS		1986		Backhoe till samples, Playfair and McCann Townships, Cochrane District, OGS Map Geophysical/Geochemical Series	Map 80 796	1:100 000
Ploeger, F. Nickloff, B. Grabowski, G.		1979		McCann Township. NTS 42A/7E +8W Cochrane District, Ontario, Kirkland Lake Data Series, OGS Map	Map P 2052	1:15,840 61 x 61 cm.
Pyke, D.R.		1974		Watabeag River Area, District of Cochrane & Timiskaming, Ontario Division of Mines Misc. paper #59 pg. 94-98	Summary of Field Work 1974	pg. 94-98
Pyke, D.R.		1976		Watabeag River area, Cochrane and Timiskaming Districts. ODM Preliminary Map	Map P.1078	1:63 360
Pyke, D.R.		1980		Geology of the Watabeag Area, Districts of Cochrane and Timiskaming. OGS Open File Report	OFR 5290	125p.
Richard, J.A. McClenaghan, M.B.		1985		Quaternary geology of the Watabeag River area, District of Cochrane, (42A/7). OGS Preliminary Map Geological series	Map P.2950	1:50 000
Rogers, W. Young, A.C.		1926		Statistical Review of Ontario's Mineral Industry in 1924. ODM Annual Report	ODM AR 1925 v.34 pt.1	p.1-60
Steele, K.G. McClenaghan, M.B. Baker, C.L.		1986		Gold grains in backhoe till samples (1984-85) from the Matheson-Lake Abitibi area, District of Cochrane. OGS Geophysical/Geochemical Series-Preliminary Map	Map P.2983	1:100 000
Workman, J.K.		1905		McCann Twp. and NW of Lake Abitibi Ontario Bureau of Mines Annual Report	ODM AR 1905 v.14 pt.1	pg. 248-253

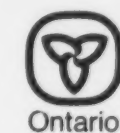
Author	Date	SELECTED REFERENCES		Reference	Map Scales and/or Report Pages
		Title			
Wright, D.G.H.	1922	Geology of the Watabeag area, Timiskaming and Cochrane Districts, Ontario. ODM Annual Report. with colour map		ODM AR 1922 vol.31 pt.7 Map 31D	33p. 1:63 360
Grady, J.C.	1950	<u>JOURNAL ARTICLES, THESES, TECHNICAL ARTICLES</u> Matachewan Diabase Dykes of North Eastern Ontario		Msc Theses McMaster U.	O.D.M. 1961 M.P. #2

GDIF FORM NO. 9

NOTES AND ADDENDA

Aerial Photography
on file in Kirkland Lake
Resident Geologist's Office

YEAR	ROLL	FLIGHT LINE	PHOTO
1959	4815	33	110
	4815	33	111
1971	4816	43	36
	4816	43	37
	4816	43	38
	4816	43	39
	4816	43	40
	4816	43	41
	4816	43	42
	4816	43	43
1971	4817	9	221
	4817	9	222
	4817	9	223
	4817	9	224
	4817	9	225
	4817	9	226
	4817	9	227
1971	4818	9	122
	4818	9	123
	4818	9	124
	4818	9	125
	4818	9	126
	4818	9	127
	4818	9	128
1971	4819	43	192
	4819	43	193
	4819	43	194
	4819	43	195
	4819	43	196
	4819	43	197
	4819	43	198



Ministry of
Northern Development
and Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

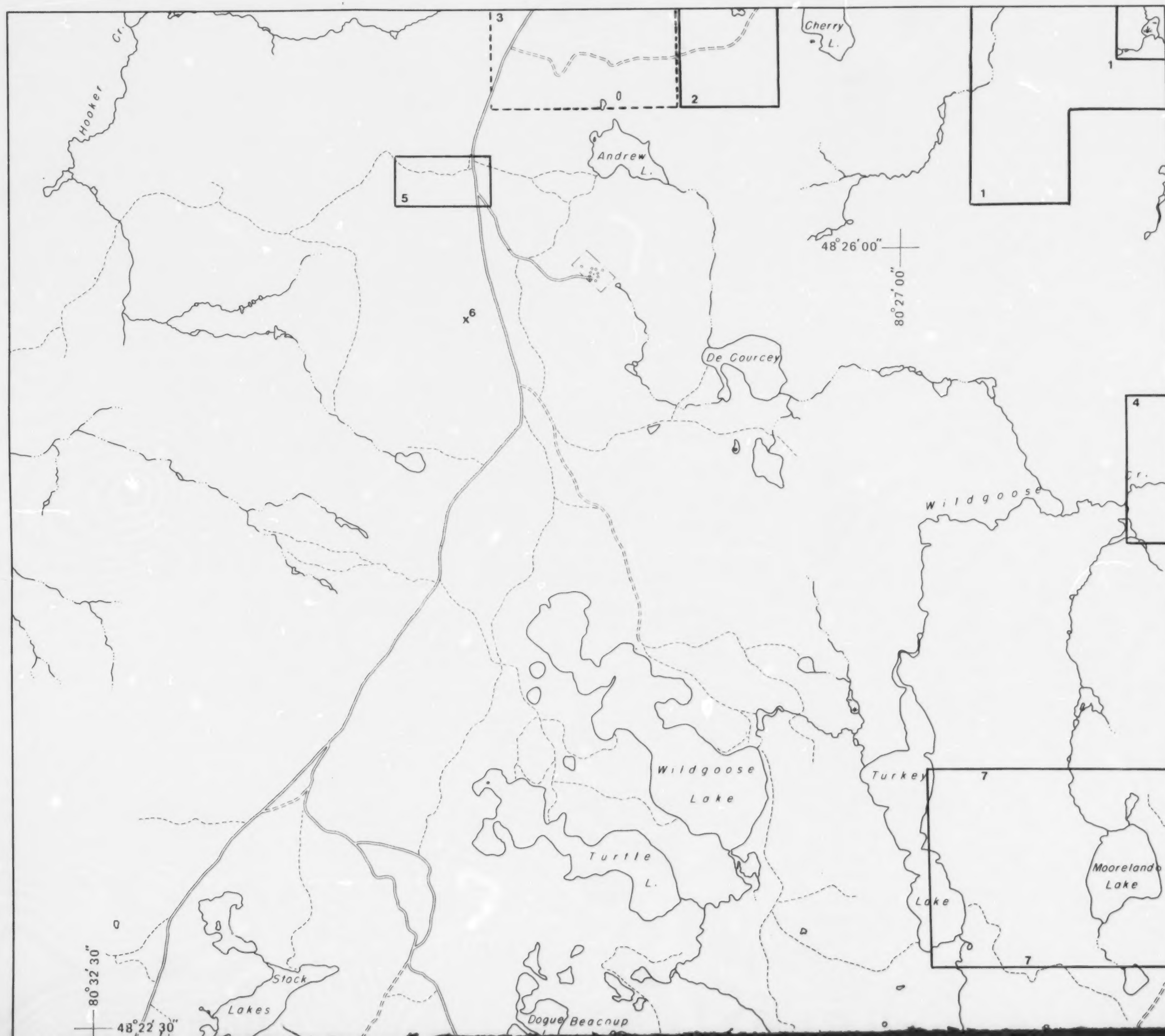
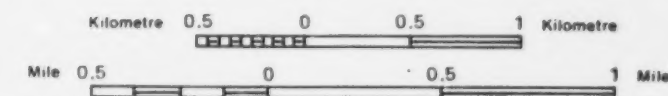
GEOLOGICAL DATA INVENTORY FOLIO 343

(Map 1 of 2)

McCANN TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

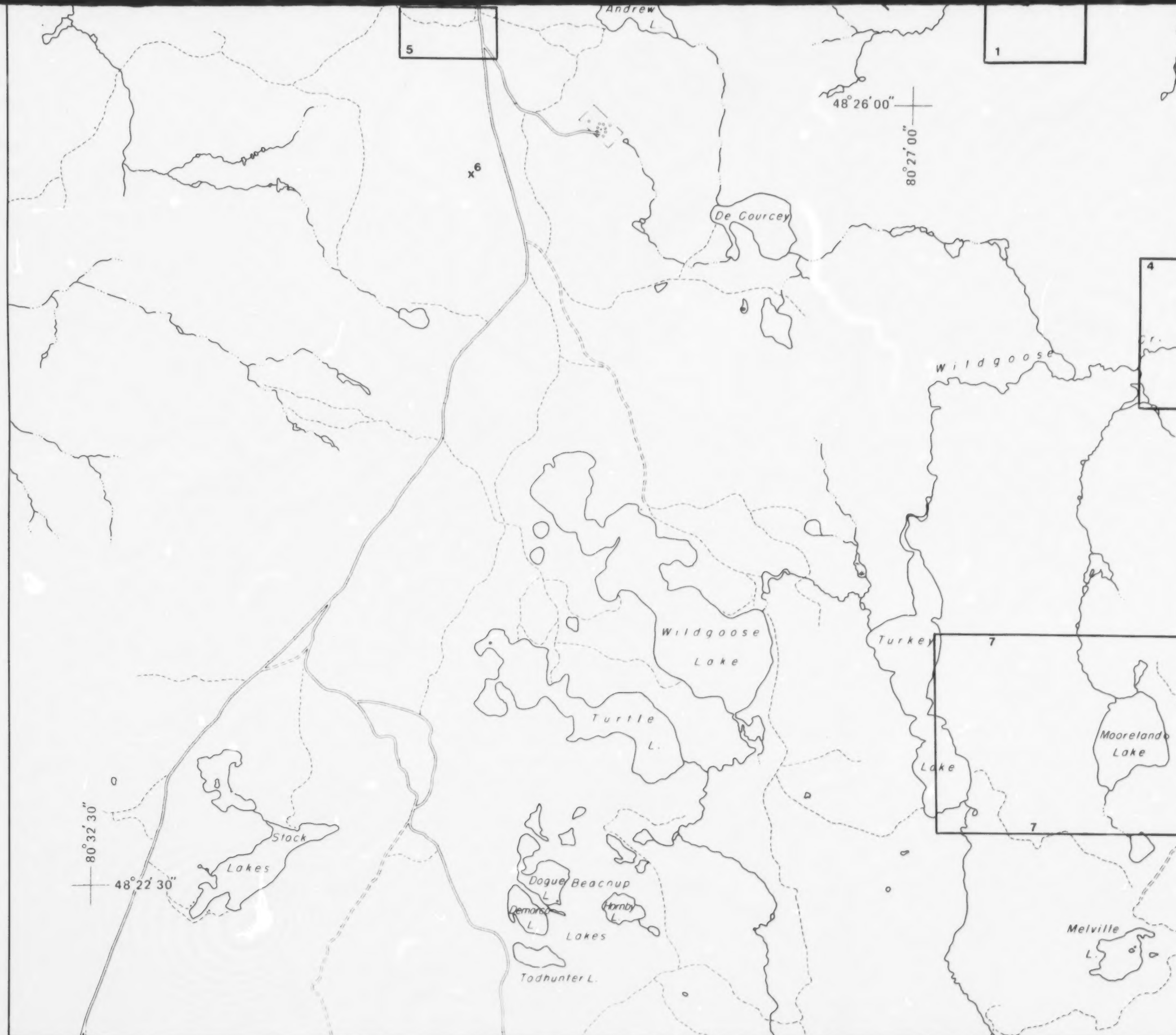
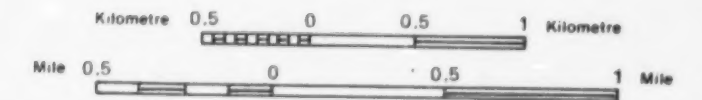


EXPLORATION DATA FILE AREAS

McCANN TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

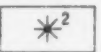


EXPLORATION DATA FILE AREAS

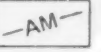
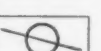
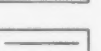
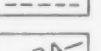
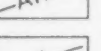
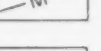
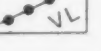
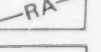
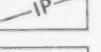
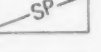
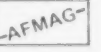
- Reference number is always inside work area outlined. See listing in text pages.
- Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

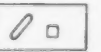
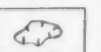
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐  Geochemical sample site, with reference number
- ☐  Area of geochemical sampling, with reference number
- ☐  Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
- ☐  Ground magnetic anomaly
- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)
- ☐  Ground radiometric anomaly
- ☐  Induced polarization anomaly
- ☐  Self potential anomaly
- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

- ☐  Trenching, pit
- ☐  Adit
- ☐  Open pit
- ☐  Rock quarry
- ☐  Sand and/or gravel pit





Ministry of
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and Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

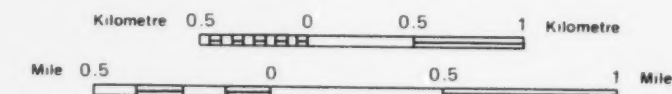
GEOLOGICAL DATA INVENTORY FOLIO 343

(Map 2 of 2)

McCANN TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

-  Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number



☐  Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐  Airborne magnetic anomaly
- ☐  Airborne electromagnetic anomaly
Length of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Location of anomaly along flight line
- ☐  Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible
- ☐  Airborne radiometric anomaly
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- ☐  Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
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- ☐  Audio-frequency magnetic anomaly
(total intensity)
- ☐  Resistivity anomaly
- ☐  Gravity anomaly

MISCELLANEOUS DATA

- ☐  Trenching, pit
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- ☐  Sand and/or gravel pit

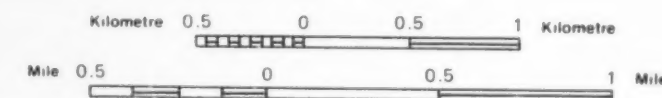
NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



McCANN TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680



GEOLOGICAL AND MINING SYMBOLS

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